

EVGENIEV, Georgi; KRUMOV, Angel

Improvement of the organization of byworks, an important
reserve for the increase of labor productivity. Trud tseni 4
no.8:27-35 '62.

KRUMOV, B.

KRUMOV, B. Practical medical aid. p.37.

Vol. 11, no. 7, July 1956

KOOPERATIVNO ZEMEDELIE

AGRICULTURE

Sofia, Bulgaria

SO: East European Accession, Vol. 6, No. 3, March 1957

KRUMOV, B.

KRUMOV, B. Favorite place. p.33.

Vol. 11, no. 9, Sept. 1956

KOOPERATIVNO ZEMELIE

AGRICULTURE

Sofia, Bulgaria

SO: East European Accession, Vol. 6, No. 3, March 1957

KRUMOV, B.

KRUMOV, B. New vineyards. p.33.

Vol. 11, no. 10, Oct. 1956

KOOPERATIVNO ZEMEDLIE

AGRICULTURE

Sofia, Bulgaria

SO: East European Accession, Vol. 6, No. 3, March 1957

KRUMOV, L.

"Malta Vasileva; A Biographic Sketch."

p. 13 (Koopерativno Zemedelie, No. 7, July 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EFAI) LC, Vol. 7, No. 11,
Nov. 1958

KRUMOV, B.

AGRICULTURE

Periodical KOOPERATIVNO ZEMEDELIE. No: 9, Sept. 1958.

KRUMOV, B. Ianko Georgiev the combine driver. p. 30.

Monthly List of East European Accessions (KEAI) LC, Vol. 8, no. 3, March, 1959. Uncl.

KHRAV, B.

AGRICULTURE

Periodical KOOPERATIVNA ZEMEDLJE. No. 11, Nov. 1958.

KHRAV, B. For the dining table fresh fish from the cooperative. p. 11.

Monthly List of East European Accessions (EEAI) 10, Vol. 3, no. 3, March, 1959. Uncl.

STOEV, St., inzh.; ARABADZHIEVA, Sl., inzh.; KRUMOV, Dim. _____

Use of electric conductivity for the control of some coefficients
of the ore-dressing process. Min delo 17 no.8:19-22 Ag '62.

1. Minno-geologhki institut.

KRUMOV, G.

Organizing the Production According to the Time Schedule and its Reflection
Upon the Operation of the Enterprise. In the Bulgarian Heavy Industry,
3:14:Mar 55

KRUNOV, G.; RADEV, S.

ORGANIZATION OF PRODUCTION BY OPERATING ON AN HOURLY SCHEDULE AND ITS REFLECTION
IN THE WORK OF ENTERPRISES. P. 14.
(TEZHKA PROMISHLENOST. Vol. 4, No. 3, 1955)

KRUMOV, G.; RADEV, S.

KRUMOV, G.; RADEV, S. Problems in planning the production cost in machine-construction enterprises. P. 8.

Vol. 5, no. 10, 1956
TEZHKA PROMISHLENOST
TECHNOLOGY
Sofia, Bulgaria

So: East European Accession, Vol. 6, no. 3, Mar. 1957

KRUMOV, G.

Mastering the skill of flying. Aviat's kosmonavt 6 no. 7:11 '64.

1. Secretary, Aeroclub of Burgas, Burgas.

KRUMOV, Georgi, kand. na ikonomicheskite nauki

Planning in industry and supplementary personal interest.
Trud tseni 5 no.5:55-64 '63.

1. Chlen na Redaksiionnata kolegiia, "Trud i tseni".

KRUPOV, I.

MA-54 sprayer. p. 21.
(MASHINIZIRAN ZEMEDELIE Vol. 6, No. 5, May 1955.)

SO: Monthly list of East European Accession, (KEAL), LC, Vol. 4, No. 9, Sept. 1955, Uncl.

KRENOV, I.

Work of plant protection bases during winter. p.3.

Organizing new machine-tractor stations and plant protection bases. p. 4.

MASHINIZIRANO ZEMEDELIE VOL. 7, No. 1, Jan. 1956

Sofiya, Bulgaria

30. EAST EUROPEAN ACCESSIONS LIST VOL. 5, no. 7, July 1956

1. 1. 1.

Preparing and using the plant-spraying machines.

I. 13. (Mashinirano Zemedeiie) Vol. 8, no. 3 Mar. 1957, Sofia, Bulgaria

SC: Monthly Index of East European Acquisitions (MEAI) Vol. 6, No. 11 November 1957

KRUMOV, I.

"Viticulture in the Novi Pazar Okoliya."

p. 14 (Kooperativno Zemedelie, No. 7, July 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 11,
Nov. 1958

KRUMOV, K.

Sterilizing Cans through Electricity. Leka Promishlenost (Light Industry),
#12:33:Dec. 1954

KRUMOV, N.

The cavern olms. Prir i znanie 15 no.2:12-13 F '62.

KRUMOV, N.

Electric fishes. Prir i znanie 15 no.4:16-20 Ap '62.

KRUMOV, N.

Live barometers. Nauka i tekhnolozhiya 15 no.10: 10-12 0'63.

KRUMP, J., VESELY, A.

Unified system of cutting and a larger variety of clothing fabrics.

Tr. from the Czech. p. 235

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dziez

Lodz

Vol. 6, no. 11, Nov. 1955

Source: East European Accessions List (EEAL), LC, Vol. 5, no. 11, March 1956

L 2022-56 FCC

ACC IR: AP6010307

SOURCE CODE: CZ/0042/65/000/007/0392/0401

AUTHOR: Krump, Josef (Engineer); Losny, Vilém (Engineer)

ORG: Institute of Electrical Engineering, CSAV, Prague (Ústav pro elektrotechniku CSAV)

TITLE: Investigation of the sparkover voltage of the spark gaps of modern lightning arresters during atmospheric and internal surges

SOURCE: Elektrotechnický časopis, no. 7, 1965, 392-401

TOPIC TAGS: lightning arresters, spark gap, electric insulation

ABSTRACT: The article deals with experimental investigation of the sparkover voltage of modern spark gaps for tube-type lightning arresters and explains the large scattering which sometimes occurs. The results of the tests represent data for appropriate insulation coordination in high and extra-high voltage equipment not previously available. This paper was presented by R. Gort. Orig. art. has: 10 figures and 1 table. [JPRS]

SUB CODE: 09 / SUBM DATE: 25Feb65 / ORIG REF: 003 / OTH REF: 005

2

Card 1/1 7/1/1

PHASE I BOOK EXPLOITATION

Z/6284

Jerle, Jan, ed., Engineer, Doctor, Corresponding Member of the Czechoslovak Academy of Sciences

Základní problémy ve stavbě spalovacích turbin (Basic Problems in the Construction of Gas Turbines [collection of articles]). Prague, Nakl. ČAV, 1962. 627 p. 1600 copies printed.

Sponsoring Agency: Československá akademie věd.

Ed. of Publishing House: Marie Moravcová; Tech. Ed.: František Končický.

PURPOSE: The book is intended to familiarize turbine designers with recent developments in the design of gas turbines and to present some research results which may be helpful in designing more efficient turbines.

COVERAGE: The book comprises articles by leading Czechoslovak turbine experts on thermodynamic cycles, flow research in turbine components,

burning of fuel in combustion chambers, axial compressors, and characteristics of turbines manufactured in Czechoslovakia.

Basic Problems in the Construction (Cont.)

z/6284

J. Vosedařek (State Research Institute for Materials and Technology, Prague). Requirements for Construction Materials of the Principal Turbine Components	183
L. Čížek and M. Vystyd (State Research Institute for Materials and Technology, Prague). Current State and Development of Heat-Resistant Materials for Gas Turbines	199
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Z. Eminger (V. I. Lenin Plant, Plzeň) and J. Krumpal (State Research Institute for Materials and Technology, Prague). The Austenitic Alloy "LZ"	221
M. Vystyd, J. Ježek, and H. Tuma (State Research Institute for Materials and Technology, Prague). The Relationship between the Microstructure and the Properties of Some Heat-Resistant Steels and Alloys	233

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"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720014-1

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720014-1"

KRUMPHANZEL, Vladimir; DYR, Josef; SIMONOVA, Marie

Effect of some organic substances on the dispersion of oxygen in a liquid medium. Kvasny prum 10 no. 3: 54-58 Mr '64.

1. Higher School of Chemical Technology, Department of Fermentation Chemistry, Prague.

KRUMPHANZL, Jaroslav, inz.; STEPANEK, Jiri

Electromagnetic flowmeters. Papir a celulosa 19 no.12:325-329
D '64.

1. Research Institute of Paper and Cellulose, Worksite, Prague.

STEPANEX, J.; SAVRDA, K.; KRUMPHANZL, K.; ZAZVORKA, M., inz.

System of continuous control and analysis of the basis
weight of paper and paperboard. Sbor cel pap no.7: 269-
286 '62.

STEPANEK, Jiri; KRUMPHANZL, Karel

Noncontact measurement of the surface temperature of drying cylinders. Sbor col pap 8:231-253 '63.

7
Paper chromatography of aliphatic xanthalates. Josef Dvř, Vladimír Krumphanzl, and Vladislav Šicho (Vysoká škola chem. technol., Prague). *Sborník vysoké školy chem. technol. v Praze; Odděli. potravinářské technol.* 1937, 19-26.— Paper chromatography of Me. Et, Pr, Iso-Pr, Bu, Iso-Bu, Am, and Iso-Am xanthalates was carried out by using BuOH. concg. 2% solid KOH, or 10% KOH and BuOH 1:1, on Whatman No. 1 paper, either plain or impregnated with 0.1N NaOH and dried at 60°. The R_f values increase with increasing no. of C atoms in the chain of the xanthalates. Normal and Iso-alca. have the R_f values very close so that their sepn. is impossible. M. Hudlický

85
1/1

M. Hindlicky

KRUMPHANZL, V.

7
/ Determination of free amino acids in industrial and refined lactic acids. J. Dyr and V. Krumphanzl (Vysoká škola chem. tech., Prague). *Kostry pramyšl* 5, 160-62 (1989).

Descending paper chromatography was applied for amino acids differentiation. BuOH:AcOH:H₂O (4:1:5) was used as the solvent and Whatman paper no. 1 proved best for the test. The detection was made by spraying 0.1% ninhydrin soln. in acetone; developing time was 10 min. at 100°. Regarding the high viscosity of analyzed samples, the capillary action can be improved by dilg. the samples with distd. H₂O in the proportion 1:5. The following amino acids were detected: (1) In industrial lactic acids: aspartic acid, glycine, glutamic acid, alanine, tyrosine, γ-aminobutyric acid, valine, phenylalanine, and leucine; 3 spots on the chromatograms were not identified. They can be probably attributed to lysine, threonine, and a substance which remained yellow after detection. (2) In edible lactic acid: glycine, glutamic acid, alanine, γ-aminobutyric acid, leucine, and aspartic acid. Some spots were not identified. Proportion of individual amino acids present in edible lactic acid extd. by Et₂O and EtOAc appears in all chromatograms, except aspartic acid, which is nearly the same. In all samples the greatest amts. found were glutamic acid and alanine. Other amino acids are present only in traces. In edible lactic acid manufd. by recrystn. neither glycine nor leucine was detected. The spot intensity showed a greater percentage of alanine than in lactic acid refined by extrn. process in which org. solvents are used.

2929 (13)

TA
4

J. Hlavka

KRUMPHANZL, Vladimir; DYR, Josef, prof. inz. dr.; KOBR, Vladimir

Effect of the pH value in lactic fermentation on the total yield of lactic acid. Kvasny prum 10 no.5:98-102 My '64.

1. Higher School of Chemical Technology, Prague.

KRUMPHANZL, Vladimir; KLEJNOVA, Jarmila

Determining some properties of the DKP preparation used for
biologic stabilization of beverages. Prum potravin 15 no.4:
197-200 Ap '64.

1. Higher School of Chemical Technology, Prague.

KRUMPHANZL, Vaclav, inz., dr.

Electromagnetic determination of the position of underground cables and pipelines. Geod kart obzor 2 no.3:43-45 Mr '56.

1. Vyzkumny ustav geodeticky, topograficky a kartograficky, Praha.

KRUMPHOLZ, VACLAV.

Inženýrská geodesie. [Vyd. 1.]

Praha, Czechoslovakia. Statni nakl. technické literatury, 1959. 328 p.

Monthly List of East European Accessions (MEAI), LC, Vol. 8, no. 11, Nov. 1959
Uncl.

COUNTRY	: Czechoslovakia	H-2
CATEGORY	:	
ABS. JOUR.	: RZKhim., No. 21 1959, No.	75159
AUTHOR	: Dyr, J. and Krumphanzl, V.	
INST.	: Not given	
TITLE	: A Continuous Rotary Extractor	
ORIG. PUB.	: Kvasny Prumysl, 5, No 3, 65-67 (1959)	
ABSTRACT	: A laboratory 'Vodan' counter-current rotary ex- tractor designed for liquid-liquid extraction at rotor speeds of up to 500 rpm and for small dif- ferences in the specific gravities of the liquids is described.	
	V. Gertsovski	

CARD: 1/1

154

KRUMPHANZL, Vaclav, prof., dr., inz.

Papers of the graduates of survey engineering school.
Geod kart obzor 8 no.10:198-199 0 '62.

STANEK, Vaclav, inz., dr.; KRUMPHANZL, Vaclav, prof., inz. dr.

Examination of periodic short-lasting movements of concrete gravity dams. Geod kart sbor 9:77-90 '63.

1. IPS, Praha (for Stanek). 2. Ceske vysoke uceni technicke, Praha (for Krumphanzl).

KRUMPHANZL, Vaclav, prof. inz. dr.

"Technical instruction on route survey." Reviewed by
Krumphanzl. Geod kart obozr 10 no. 3: Supplement:
Literarni hlidka 10 no. 3: III, 3 of cover '64.

KRUMPHANZL, V., prof. inz. dr.; KOLLAR, K., inz.; KRIZEK, J., inz.;
SCHANKA, J., inz.; STANEK, V., inz. dr.; SIMEK, J., inz.; SLEGR, A.,
inz.

Surveyor's role in capital constructions. Geod kart obzor 10
no.9/10:235-239 0 '64

KRUMPHANZL, Vladimir; KLEJNOVA, Jarmila

Determination of some properties of diethyl ester of
pyrocarbonic acid, used for ensuring the biological
stability of beverages. Prum potravin 14 no. 12:662-664
D '63.

1. Vysoka skola chemickotechnologicka, Praha.

KRUMPHANZL, Vladimir; DYR, Josef; RUSINSKY, Norbert

Inflow method of lactic fermentation. Prum potravin 14 no.10:
555-558 0 '63.

1. Vysoka skola chemickotechnologicka, katedra kvasne chemie a
technologie, Praha.

DYR, Josef; KRUMPHANZL, Vladimir; HAUZAR, Iska

Continuous alcoholic fermentation with uninterrupted fermentation of the system by returned fermenting mash. Sbor potrav VSChT Vol. 5, pt.2:37-57 '61 [publ. '62].

1. Katedra kvasne chemie a technologie, Vysoka skola chemicko-technologicka, Praha.

BENES, Vladimir; KRUMPHANZL, Vladimir

Stabilization of wine with metatartaric acid and its preparation. Kvasny prum 10 no.11:258-261 N '64.

1. Research Worksite of the Vinarske zavody, Prague (for Benes). 2. Higher School of Chemical Technology, Prague (for Krumphanzl).

Р. С. УИПАНЗЛОВА, Д.

Calibration standards of β carotene. J. Blatná, J. Krumphanzlová, and V. Šinda (Výzk. ústav potravn. technol., Prague, Czech.). *Příroda Potravn* 5, 155-8(1954).— Of the different colored compounds tested, only analytically pure crocetin or K₂Cro₂ can be used as substitute standards for the estimation of β carotene in food material. No conversion factor is needed when working with Follrich's photometer (Cher S 47). L. J. Urbánek

Chromatography of lipophilic vitamins. J. Blahutný,
Krumphanzlová, and O. Vonduláková (Výzk. ústav potravinářské technol., Prague, Czech). *Food Cosmet. Technol.* 5,
891-8(1974).—Reviews on methods with 39 references.
L. J. Urbánek

KRUMPHANZLOVA, J.; BLATTNA, J.; FRAGNER, J.

Vitamins in fresh milk. p. 426.

PRUMYSL POTRAVIN. Praha. Vol. 6, no. 9, 1955.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956.

KRUMPHANZLOVA, J.

CZECHOSLOVAKIA/Food Processing Industry.

H.

Abs Jour : Ref Zhur - Khimiya, No 19, 1958, 65935

Author : Blattna, J., Frajner, J., Krumphanzlova, J.

Inst : -

Title : Vitamins in the Technology of Eggs.

Orig Pub : Prumysl potraviny, 1957, 8, No 6, 287-289.

Abstract : A study has been made of the influence of the various methods of egg storage on their content of vitamins, in particular of riboflavin, axerophthol, and their provitamins. It was established that no essential difference exists between the separate methods of storage, according to these indices. The liming of eggs was shown to be the best method of storage; during long cold storage, losses of axerophthol increased as a result of oxidation by the oxygen of the air, which penetrates through the pores of the shell. Freezing the eggs reduces these

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CZECHOSLOVAKIA/Food Processing Industry.

H.

Abs Jour : Ref Zhur - Khimiya, No 19, 1958, 65935

losses. Greatest losses of riboflavin occur when eggs fracture during daily light and free access of atmospheric oxygen.

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38

KRUMHOLZ, HAYLIC

Model statutes of collective farms.

p. 37 (Rolnicke Hlasy. Vol.11, No. 9, Sept. 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EFAI) LC. Vol. 7, No. 2,
February 1958

KRUMHOLC, HAVLIC

Model statutes for collective farms.

P. 36, (Rolnické Hlasy) Vol. 30, no. 4, Aug. 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (E:AI) Vol. 6, No. 11 November 1957

HOLECEK, Milan; KRUMPHOLC, Stanislav

Electroerosion recording apparatus. Uhl 4 no.8:284 Ag '62.

KRUMPHOLEC, F.

The basis of garden plot farming.

P. 37, (Rolnicke Hlasy) Vol. 11, no. 7, July 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No. 11 November 1957

L 38595-66 EWP(e)/EWP(t)/ETI IJP(c) JD/JG/AT/WH

ACC NR: AP6027707

SOURCE CODE: CZ/0034/66/000/001/0070/0070

AUTHOR: Jezek, J. (Doctor of natural sciences; Candidate of sciences); Kastanek, O.
(Engineer); Krumpolz, V.

ORG: none

TITLE: Cutting steels, mainly for cast tools

SOURCE: Hutnicka listy, no. 1, 1966, 70

TOPIC TAGS: tool steel, metal cutting, grain structure

ABSTRACT: The article is an abstract of Czechoslovak Patent Appli-
cation No Class 40b, 15/00, PV 2807-65, dated 29 April 65. The
invention covers a method by which the network of eutectic carbides
is disrupted by the addition of 0.2 to 10 weight % of Ti, Zr, Nb,
or Ta, or a mixture of any of these. In this steel vanadium is
either completely or in part replaced by metals of the 4th and 5th
group; this fosters the formation of primary carbides. This in-
creases the suitability of the steels for cutting, and a fine grain
structure is maintained in the final product. [JPRS: 34,519]

SUB CODE: 11, 13 / SUBM DATE: 29Apr65

Card 1/1 ✓

0917

KRUMPOLC, Vojtech

Effect of the production technology on the precision of
castings. Zpravodaj VZLU no.2:91-93 '63.

5086* Melting and the Effect of Melting and Casting Conditions on the Mechanical Values of Tin Bronzes. Tavení a slévání v lištině prostředí na mechanické hodnoty cínových bronzů. (Czech.) Josef Krumpal. Slečtenství, v. 3, no. 12, Dec. 1953, p. 578-580. 1/10

Melting and decantation of tin bronze and red brass; casting of test specimens; mechanical properties. Tables, graphs, diagrams, micrographs. 7 ref.

KRUMPOS, J.; EMINGER, Z.

"Production technology of high-alloy austenitic steels." p. 184.

SLEVARENSTVI. (Ministerstvo tezkého strojírenství a Československá vědecká technická společnost pro hutnictví a slevarenství). Praha, Czechoslovakia, Vol. 7, No. 5, May 1959.

Monthly list of East European Accessions (EEA1), LC, Vol. 8, No. 8,
August 1959.
Unclass.

L 22507-66 ENP(w)/EIA(d)/T/EMP(t) IJP(c) JL
ACC NR: AT6010483 (N) SOURCE CODE: CZ/0000/65/000/000/0144/0156

AUTHOR: Krumpos, Josef--Krumpos, Y. (Candidate of sciences, Engineer)

ORG: none

TITLE: Properties of alloys VZU 60 and VZU 20 K

SOURCE: Plzen. Zavody V. I. Lenina. Vyskumny a zkusebni ustav.
Sbornik praci, v. 2, 1965, 144-156

TOPIC TAGS: heat resistant alloy, metal physical property, internal combustion turbine, turbine metal, turbine blade, blade metal, guide vane, nickel base alloy, chromium base alloy, iron base alloy, cobalt base alloy/VZU 60 HEAT RESISTANT ALLOY, VZU 20K HEAT RESISTANT ALLOY

ABSTRACT: VZU 60 and VZU 20K heat-resistant casting alloys are intended for the critical parts of internal-combustion turbines, such as impeller blades and guide vanes. VZU 60 alloy, which has a nickel-chromium-iron bases, is precipitation-hardened with aluminum and titanium, and alloyed with tungsten and molybdenum; VZU 20K alloy has a nickel-chromium-iron-cobalt base, hardened with carbide phases and stabilized with niobium. The paper discusses the heat treatment of both alloys, their mechanical and physical properties, yield point as well as embrittlement and behavior at temperatures exceeding the intended maximum by 100C. The values found during thermal overloading of the material are of high importance for the reliable operation of internal-
Card 1/2

L 22507-66

ACC NR: AT6010483

combustion turbines, especially on turbine-driven locomotives. Test results indicate that VZU 60 and VZU 20K alloys are casting materials best suited for impeller and guide blades operated at 700C (VZU 60) and 800C (VZU 20K). Moreover, VZU 60 alloy will serve as a heat-resistant material up to 1000C. In welding, VZU 60 can be used to advantage as a filler metal, such as for joining austenitic with ferritic materials. VZU 20K material is not to be used at temperatures higher than 800C since prolonged operation above this limit produces marked coarsening of the precipitate and its gradual dissolution, causing first embrittlement and then a severe decline in long-term creep strength. Orig. art. has: 8 figures and 4 tables. [AM]

[Based on author's abstract]

SUB CODE: 11, 13/

SUBM DATE: 00Jun65/
OTH REF: 005/

ORIG REF: 004/

Card 2/2 BK

U. S. S. R. : Czechoslovakia
 No. 12

ISS. JOUR. : RZKhia., No. 5, 1960, No. 18, 1961

EDITOR : Yankov, J.

1960 : as given
 1961 : Given description and construction of apparatus
 1962 : for the Electroplating of Metallographic Sections

ISS. PUB. : Technical Univ. of Prague, Czechoslovakia

SUMMARY : The factors affecting the quality of metallographic sections prepared by electroplating (initial condition of surface, current density, cell voltage, temperature of electrolyte, porosity time, concentration of electrolyte) are discussed. An investigation of the effect of the voltage variable has shown that the optimal shape of the voltage curve that at which the ratio $100 \Delta E / E$ is $55 \pm 5 \Delta E$ is the difference between the maximum and minimum voltage values, E is the cell voltage), and that

1961 1/2

COUNTRY : Czechoslovakia
 CATEGORY :
 APO. JOUR. : RZKhim., No. 1960, No.

H-12

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APO. JOUR. :
 APO. JOUR. :
 APO. JOUR. :

ORIG. SUB. :

ABSTRACT :

The article describes the results of the experimental
 investigation of the properties of the polymer
 obtained from the reaction of the monomer
 with the catalyst. The results show that the
 polymer obtained is a high molecular weight
 polymer with a high degree of polymerization.
 The polymer is soluble in many organic solvents
 and has a high thermal stability.

KRUMPOS, J.

PHASE I BOOK EXPLOITATION

JUN 25 1962

Jerie, Jan, ed., Engineer, Doctor, Corresponding Member of the Czechoslovak Academy of Sciences

Základní problémy ve stavbě spalovacích turbin (Basic Problems in the Construction of Gas Turbines (collection of articles)). Prague, Nakl. ČAV, 1962. 627 p. 1600 copies printed.

Sponsoring Agency: Československá akademie věd.

Ed. of Publishing House: Marie Moravcová; Tech. Ed.: František Končícký.

PURPOSE: The book is intended to familiarize turbine designers with recent developments in the design of gas turbines and to present some research results which may be helpful in designing more efficient turbines.

COVERAGE: The book comprises articles by leading Czechoslovak turbine experts on thermodynamic cycles, flow research in turbine components,

Card 1/8

Basic Problems in the Construction (Cont.)

z/6284

J. Voseďálek (State Research Institute for Materials and Technology, Prague). Requirements for Construction Materials of the Principal Turbine Components 183

L. Čížek and M. Vystyd (State Research Institute for Materials and Technology, Prague). Current State and Development of Heat-Resistant Materials for Gas Turbines 199

L. Čížek. Prospective Materials for Use in Gas Turbine Construction 211

Z. Eminger (V. I. Lenin Plant, Plzeň) and J. Krumpal (State Research Institute for Materials and Technology, Prague). The Austenitic Alloy "12" 221

M. Vystyd, J. Ješek, and H. Tuma (State Research Institute for Materials and Technology, Prague). The Relationship between the Microstructure and the Properties of Some Heat-Resistant Steels and Alloys 233

Card 4/8

Krumpýň

CZECHOSLOVAKIA/Chemical Technology - Fermentation in Industry.

H.

Abs Jour : Ref Zhur - Khimiya, No 16, 1958, 55456

Author : Dyr, Krumpýň, Barta

Inst : -

Title : The Possibility of Increasing the Yields of Alcohol
in Wine Distilleries

Orig Pub : Kjasny prumysl, 1956, 2, No 1, 6-10

Abstract : Plant experiments were carried out for increasing the yield of alcohol from molasses by converting non-fermenting sugar (melibiose) into a fermentable one. That was done by the addition of autolysate prepared from beer yeast containing 25% of dry substances, beer yeast in vivo, and a plasmolysate of sediment beer yeast, which contain 14% of dry substances. To convert non-fermenting sugar of molasses into a fermenting one, it is necessary only to add from 20 to 35 liters of autolysate, or 50-60 l. of plasmolysate per 500 hectoliters of

Card 1/2

CZECHOSLOVAKIA/Chemical Technology - Fermentation in Industry.

H.

Abs Jour : Ref Zhur - Khimiya, No 16, 1958, 55456

wort. The amount of fermenting preparation that was added depends on the quality of yeast and the preparation as well as the content of the raffinose in the molasses. The advisable preparation to be added: in working the process by the Jacquemon method, prior to or at the aftermath in the fermenting tanks, and by the Buano method when the alcohol content in wort is 5%. An addition of the preparation lowers the amount of residual sugar by 0.10 - 0.15%, and does not effect the alcohol quality. With the addition of preparation from 1,000 centners of molasses containing 0.93% of raffinose, 371 liters more of absolute alcohol is obtained as compared to the processing of molasses by the usual method (practically 255 liters). For previous communication see: Ref. Zhur. Khim., 1958, 34131.

Card 2/2

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KRUMS, A. A.

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